

ADHINS[™]

Intumescent Fire Resistant Paint

Optimized for up to 120 minutes of Fire Resistance to structural steelwork and other substrates



About

ADHINS[™] - Intumescent Fire Resistant Paint is our revolutionary water-based paint for fire and heat protection that can be applied to most building materials. It provides up to 2 hours of fire rating with a minimum number of coats on structural steel including galvanized steel, mild steel, stainless steel, ductwork & and electrical cables, drywall, internal metal, sheet metal, concrete surfaces, sheetrock, composite panels, and interior wood. It is approved for interior as well as general-purpose applications and is excellent for fire-rated duct works like Ventilation Fire Ductwork, Smoke Exhaust Ductwork, Car Park Ventilation Ductwork, Kitchen Exhaust Ductwork, and Pressurization Ductwork.

Application

ADHINS[™] Intumescent Fire-resistant Paint may be applied by brush, roller, or spray. To achieve the best finish in the shortest time, spray application is recommended. For Fire Resistance as per BS 476 Part 20 & 22, apply Minimum Dry Film Thickness (DFT) of 800 -1000 microns

Drying Time

The drying time of ADHINS[™] - Fire-resistant Paint is 30 minutes for the surface to touch dry, hard dry 8 hours, and a minimum of 24 hours to recoat.

Features of Adhins Intumescent Fire Resistant Paint

- High-temperature protection
- Passes BS 476 Part 20 & 22, BS 476 part 6: Class O Fire Propagation Test and BS 476 part 7: Class 1 Surface Spread of Flame Test
- Non-hydrophobic, UV Resistant & Fungal Resistant
- Excellent durability and aesthetic protection
- Rapid drying times for fast handling
- Excellent Impact Resistance quality
- Solvent-free, Non-Marine Pollutant
- Improves product life cycle



Fire Resistant



Non-Hydrophobic



100% Mold & Mildew Proof



Impact Resistant



ADHINS™

Intumescent Fire Resistant Paint



APPLICATION



COVERAGE

1.1m²



COATS

x2



INTERIOR



CONTENTS

25Kg



DENSITY

1.404



FLASH POINT

>30°C



SHELF LIFE
1 Year



DRYING TIME

0.5H



MUST
NOT BE
THINNED

TECHINCAL DETAILS

S.No.	Properties	Standard	Technical Details
1.	Colour		White
2.	Density at 25° C, g /ml	IS: 101 (P1 /Sec 7)2020	1.404
3.	Dry film thickness after 2 coats, micron	IS: 101 (P3 /Sec 2) 1989	251
4.	Film thickness (wet) after 2 coats, micron	IS: 101 (P3 /Sec 2) 1989	607
5.	Flash point (closed cup) °C	IS: 101 (P1 /Sec 6)1987	30
6.	Drying Time at 27°C, hours a) Surface Dry b) Hard Dry	IS: 101 (P3 /Sec 1) 1986	0.50 8.0
7.	Non volatile content, % by mass	IS: 101 (P8 /Sec 2)1990	48.03
8.	Specific gravity at 25/25 ° C	IS: 101 (P1 /Sec 7)2020	1.407
9.	Dry to (recoating for 24 hours)	Annex E of IS 164-2015	Passed



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केन्द्रीय भवन अनुसंधान संस्थान, रुड़की
Central Building Research Institute, Roorkee
सुरक्षित और विकास आधारित
Safe & Sustainable Habitat

Tested, Approved, and technology transferred from CSIR-Central Building Research Institute, Roorkee.

2 UP TO
HOURS
FIRE
RESISTANCE



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